

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		<b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5 10/500017</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP03/13064</b>	INTERNATIONAL FILING DATE <b>10 OCTOBER 2003</b>	PRIORITY DATE CLAIMED <b>25 OCTOBER 2002</b>

**TITLE OF INVENTION****CHEMICAL REACTOR AND FUEL CELL SYSTEM****APPLICANT(S) FOR DO/EO/US****Tadao YAMOTO; Masaharu SHIOYA**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or change of address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information:

Express Mail Label No. EV 366565845 US

Date of Deposit: June 23, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above with sufficient postage, and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450

10/500017

21.  The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):**

Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1080.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... \$920.00

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$770.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$730.00

International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$100.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =****CALCULATIONS PTO USE ONLY**

Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

\$ 920.00	
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CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$ .00
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Total claims	28 - 20 =	8	x \$18.00	\$ 144.00
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Independent claims	3 - 3 =	0	x \$86.00	\$ .00
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MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$290.00	\$ .00
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**TOTAL OF ABOVE CALCULATIONS =**

\$ 1064.00	
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<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	\$ .00	
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<b>SUBTOTAL =</b>	\$ 1064.00	
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).	\$ .00	
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<b>TOTAL NATIONAL FEE =</b>	\$ 1064.00	
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +	\$ 40.00	
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<b>TOTAL FEES ENCLOSED =</b>	\$ 1104.00	
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Amount to be refunded:	\$ .00
charged:	\$ .00

- a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1378. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

CUSTOMER NO. 01933

Leonard Holtz  
Frishauf, Holtz, Goodman & Chick P.C.  
767 Third Avenue  
25<sup>th</sup> Floor  
New York NY 10017-2023

SIGNATURE

Leonard Holtz

NAME

22,974

REGISTRATION NUMBER

10/500017

Drug Recd PCT/PTO 23 JUN 2004

Attorney Docket No. 04412/LH

**IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE**

Applicant(s): T. YAMAMMOTO et al.

Serial No. : Not Yet Assigned

Filed : Herewith

For : CHEMICAL REACTOR AND FUEL  
CELL SYSTEM

Art Unit : Not Yet Assigned

Examiner : Not Yet Assigned

**REQUEST FOR PUBLICATION OF  
ASSIGNMENT INFORMATION**

Commissioner for Patents  
P.O. Box 1450,  
Alexandria, VA 22313-1450

S I R :

It is requested that the following assignment information be published as part of the 18 month publication of the present application:

CASIO COMPUTER CO., LTD.  
6-2, Hon-machi 1-chome, Shibuya-ku,  
Tokyo 151-8543 Japan

Respectfully submitted,

LEONARD HOLTZ  
Reg. No. 22,974

Frishauf, Holtz, Goodman & Chick, P.C.  
767 Third Avenue - 25th Floor  
New York, New York 10017-2023  
(212) 319-4900  
Fax No. (212) 319-5101  
LH/nps

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No.: EV .366 565 845 US  
Date of Deposit: June 23, 2004

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N. Sahadeo  
Nalini P. Sahadeo

In the event that this Paper is late filed, and the necessary petition for extension of time is not filed concurrently herewith, please consider this as a Petition for the requisite extension of time, and to the extent not tendered by credit card payment, authorization to charge the extension fee, or any other fee required in connection with this Paper, to Account No. 06-1378.

10/500017

PTO/SB/122 (10-00)

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APR 23 2004

**CHANGE OF  
CORRESPONDENCE ADDRESS  
*Application***

**Address to:**  
**Commissioner for Patents**  
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**Alexandria, VA 22313-1450**

Application Number	60/545,170	Not Yet Assigned
Filing Date	Concurrently Herewith	
First Named Inventor	Tadao YAMAMOTO et al.	
Group Art Unit	Not Yet Assigned	
Examiner Name	Not Yet Assigned	
Attorney Docket Number	04412/LH	

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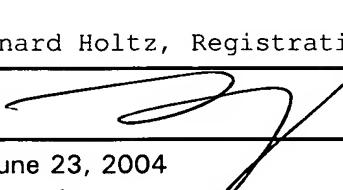
[X] Firm or Individual Name	<u>FRISHAUF, HOLTZ, GOODMAN &amp; CHICK, P.C.</u>			
Address	<u>767 Third Avenue - 25th Floor</u>			
Address				
City	<u>New York</u>	State	<u>NY</u>	ZIP <u>10017-2023</u>
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I am the:

- [ ] Applicant/Inventor.  
 [ ] Assignee of record of the entire interest. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).  
 [X] Attorney or Agent of record.  
 [ ] Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration.  
 See 37 CFR 1.33(a)(1). Registration Number \_\_\_\_\_.

Typed or Printed Name Leonard Holtz, Registration No. 22,974

Signature 

Date June 23, 2004

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required. See below.

[ ] Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.